



HW

PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/786,017	
	Filing Date	February 26, 2004	
	First Named Inventor	Denis Babin	
	Art Unit	1732	
	Examiner Name	Huson, Monica Anne	
Total Number of Pages in This Submission	111	Attorney Docket Number	MMID 2001

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. Copies of References FP7-FP9 and NPL1-NPL11; and
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	2. Return Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Medler Ferro PLLC		
Signature			
Printed name	Albert L. Ferro		
Date	November 7, 2006	Reg. No.	44,679

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name	Albert L. Ferro	Date	November 7, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Babin et al.	
Application No.: 10/786,017	Examiner: Huson, Monica Anne
Filed: February 26, 2004	Group Art Unit: 1732
For: Hot Runner Manifold Plug for Rheological Balance in Hot Runner Injection Molding	Attorney Docket No.: MMID 2001

**SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. § 1.56**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of C.F.R. § 1.56, there is hereby provided certain information, which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the application.

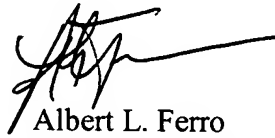
In accordance with 37 C.F.R. 1.98(a)(2)(ii), copies of U.S. patent and patent application publications are not provided. In accordance with 37 C.F.R. 1.98(a)(2) and (a)(3), a copy of each publication and foreign patent document is provided. Accordingly, accompanying this Information Disclosure Statement is a copy of each of cited references FP7-FP9 and NPL1-NPL11. A concise explanation of the relevance non-English language document FP7 is provided in the English language abstract attached thereto. A concise explanation of the relevance of non-English language document FP8 is provided in the English language claims provided therein.

No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than a search report of a foreign counterpart application or PCT International Search Report submitted herewith). 37 C.F.R. §§1.97(g) and (h).

This Second Supplemental Information Disclosure Statement is filed under 37 C.F.R. §1.97(b) before the latter of three months after the U.S. patent application filing date or the first Office Action on the merits. Accordingly, no fee or certification is required.

Respectfully submitted,

MEDLER FERRO PLLC




Albert L. Ferro
Reg. No. 44,679
Attorney for Applicants

Date: November 7, 2006

8607 Rockdale Lane
Springfield, VA 22153
(410)788-7684

Enclosures

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use as many sheets as necessary)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: right; font-size: small;">Complete if Known</th> </tr> <tr> <td style="width: 40%;">Application Number</td> <td>10/786,017</td> </tr> <tr> <td>Filing Date</td> <td>February 26, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Babin, Denis</td> </tr> <tr> <td>Art Unit</td> <td>1732</td> </tr> <tr> <td>Examiner Name</td> <td>Huson, Monica Anne</td> </tr> </table>	Complete if Known		Application Number	10/786,017	Filing Date	February 26, 2004	First Named Inventor	Babin, Denis	Art Unit	1732	Examiner Name	Huson, Monica Anne
Complete if Known														
Application Number	10/786,017													
Filing Date	February 26, 2004													
First Named Inventor	Babin, Denis													
Art Unit	1732													
Examiner Name	Huson, Monica Anne													
Sheet	1	of	2	Attorney Docket No: MMID 2001										

US PATENT DOCUMENTS					
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date if Appropriate
	US20	US-2002-0086086	07/04/2002	Doyle et al.	
	US21	US-2004-0256768	12/23/2004	Olaru	
	US22	US-2004-0265422	12/30/2004	Sabin et al.	
	US23	US-4123496	10/31/1978	Gallizia et al.	
	US24	US-4303382	12/01/1981	Gellert, Jobst	
	US25	US-5783234	07/21/1998	Teng	
	US26	US-5916605	06/29/1999	Swenson et al.	
	US27	US-5955121	09/21/1999	Gellert et al.	
	US28	US-5941637	08/24/1999	Maurer	
	US29	US-6245278	06/12/2004	Lausenhammer et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	FP7	DE-3201710 A1	08/26/1982	Gellert, Jobst U.	
	FP8	EP-1140456 B1	10/10/2001	Zahoransky et al.	
	FP9	WO-03/011443 A2	02/13/2003	Stroock et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	NPL1	"Efficient Spiral Flow 3-D Microchannel", published at http://www.shoji.comm.waseda.ac.jp/~mf/mfeg/Spiralflow.htm , Shoji Laboratory, Waseda University, Japan, (unknown),	
	NPL2	"Hot Runner Nozzles Increase Performance", Abstract, www.tool-moldmaking.com , European Tool & Mould Making, Husky Injection Molding Systems S.A., (October 2001),	
	NPL3	"Husky Introduces Ultraflow for Ultra Hot Runner Nozzles", News Release, Husky Injection Molding Systems Ltd., (June 23, 2003),	
	NPL4	"Melt Mixing Technology Improves Part Quality", News Release, Husky Injection Molding Systems Ltd., (August 9, 2001),	
	NPL5	"New UltraFlow Tip Improves Melt Homogeneity and Part Quality", News Release, Husky Injection Molding Systems Ltd., (October 20, 2004),	

EXAMINER

DATE CONSIDERED

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/786,017</td> </tr> <tr> <td>Filing Date</td> <td>February 26, 2004</td> </tr> <tr> <td>First Named Inventor</td> <td>Babin, Denis</td> </tr> <tr> <td>Art Unit</td> <td>1732</td> </tr> <tr> <td>Examiner Name</td> <td>Huson, Monica Anne</td> </tr> </table>		Application Number	10/786,017	Filing Date	February 26, 2004	First Named Inventor	Babin, Denis	Art Unit	1732	Examiner Name	Huson, Monica Anne
Application Number	10/786,017														
Filing Date	February 26, 2004														
First Named Inventor	Babin, Denis														
Art Unit	1732														
Examiner Name	Huson, Monica Anne														
Sheet	2	of	2	Attorney Docket No: MMID 2001											

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	NPL6	"Nozzle Tip Handles Quick Colour Changes", Abstract, < www.tool-moldmaking.com >, European Tool & Mould Making Husky Injection Molding Systems S.A., (May/June 2001),	
	NPL7	"Stable Melt Profile Means Uniform Part Quality", Abstract, < www.tool-moldmaking.com >, European Tool & Mould Making, Husky Injection Molding Systems S.A., (July/August 2002),	
	NPL8	"When Mixing It Is a Good Idea", Abstract, < www.tool-mold-making.com >, European Tool & Mould Making, Husky Injection Molding Systems S.A., November/December 2001	
	NPL9	BLUNDY, J , "Improving Shear Induced Imbalance in Hot Runner Systems", <u>INCOE Corporation</u> , (June 25, 2004),	
	NPL10	STROOK, ABRAHAM D., "Microsystems, Microfluidic Transport, an Colloid Science", Cornell University Website at http://web1temp.cheme.cornell.edu/peopleevents/faculty/stroock/research.htm , (unknown)	
	NPL11	WRIGHT, CORIN, "Improving Color Change in Hot Runner Molds", <u>Plastics Machinery & Auxiliaries</u> , (April, 2003)	

EXAMINER

DATE CONSIDERED